	CRF Errors Corrected by th STIC Systems Branch CRF Processing Date: 2/22/20
N	Edited by:
	Changed a file from non-ASCII to ASCII V rifled by: V rifled by:
	Changed the margins in cases where the sequence extract viamped down to the next line.
	Edited a format error in the Current Application Data section, specifically:
	Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other
	Added the mandatory heading and subheadings for "Current Application Data".
	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
	Changed the spelling of a mandatory field (the headings or subheadings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
	Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
	Inserted colons after headings/subheadings. Headings edited included:
	Deleted extra, invalid, headings used by an applicant, specifically:
	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of files page numbers throughout text; other invalid text, such as
	Inserted mandatory headings, specifically:
	Corrected an obvious error in the response, specifically: Sign 23-25-replaced Type: response of DNA with welesc a
	Edited identifiers where upper case is used but lower case is required, or vice versa.
_	Edited identifiers where upper case is used but lower case is required, or vice versa.
- []	Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically:
- [Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (errodue to a Patentin bug). Sequences corrected:
- c	Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (errodue to a Patentin bug). Sequences corrected:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING PATENT APPLICATION US/09/049,695A

DATE: 02/22/2000 TIME: 18:53:23

INPUT SET: S34817.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1		SEQUENCE LISTING
2	(3)	-1 To Commodition
3 4	(1) Gener	al Information
5 6 7 8 9 10 11 12 13 14 15	(i) APPLICANT: BILLING-MEDEL, PATRICIA A. COHEN, MAURICE COLPITTS, TRACEY L. FRIEDMAN, PAULA N. HAYDEN, MARK KLASS, MICHAEL R. ROBERTS-RAPP, LISA RUSSELL, JOHN C. STROUPE, STEPHEN D.
16		
17	(i	i) TITLE OF THE INVENTION: REAGENTS AND METHODS USEFUL
18 19		FOR DETECTING DISEASES OF THE GASTROINTESTINAL TRACT
20		TRACT
21	<i>t</i> i	ii) NUMBER OF SEQUENCES: 25
22	(-	II) NOMBER OF BEGERROES. 25
23	(i·	v) CORRESPONDENCE ADDRESS:
24	,	(A) ADDRESSEE: Abbott Laboratories
25		(B) STREET: 100 Abbott Park Road
26		(C) CITY: Abbott Park
27		(D) STATE: IL
28		(E) COUNTRY: USA
29		(F) ZIP: 60064-3500
30		
31	•) COMPUTER READABLE FORM:
32		(A) MEDIUM TYPE: Diskette
33		(B) COMPUTER: IBM Compatible
34		(C) OPERATING SYSTEM: DOS
35		(D) SOFTWARE: FastSEQ for Windows Version 2.0
36	_	
37		i) CURRENT APPLICATION DATA:
38		(A) APPLICATION NUMBER:
39		(B) FILING DATE: (C) CLASSIFICATION:
40 41		(B) FILING DATE: (C) CLASSIFICATION:
42	/ 57	ii) PRIOR APPLICATION DATA:
42	•	(A) APPLICATION NUMBER: 08/828,845
44		(B) FILING DATE: 31-MAR-1997
45		(A) APPLICATION NUMBER: 08/828,845 (B) FILING DATE: 31-MAR-1997
46		ii) PRIOR APPLICATION DATA: (A) APPLICATION NUMBER: 08/828,845 (B) FILING DATE: 31-MAR-1997

RAW SEQUENCE LISTING PATENT APPLICATION US/09/049,695A



DATE: 02/22/2000 TIME: 18:53:23

47	(viii) ATTORNEY/AGENT INFORMATION:	
48	(A) NAME: Beck r, Cheryl L.	
49	(B) REGISTRATION NUMBER: 35,441	
50	(C) REFERENCE/DOCKET NUMBER: 6066.US.P1	
51		
52	(ix) TELECOMMUNICATION INFORMATION:	
53	(A) TELEPHONE: 847/935-1729	
54	(B) TELEFAX: 847/938-2623	
55	(C) TELEX:	
56	(-,	
57		
58	(2) INFORMATION FOR SEQ ID NO:1:	
59	(-,	
60	(i) SEQUENCE CHARACTERISTICS:	
61	(A) LENGTH: 254 base pairs	
62	(B) TYPE: nucleic acid	
63	(C) STRANDEDNESS: single	
64	(D) TOPOLOGY: linear	
65	(2) 101020011 1211002	
66		
67	(xi) SEQUENCE DESCRIPTION: SEO ID NO:1:	
68	(NI) DEGULACE DESCRIPTION. DEG ID NO.1.	
69	CTGGGATCAG CCACTGCAGC TCCCTGAGCA CTCTCTACAG AGACGCGGAC CCCAGACATG	60
70	AGGAGGCTCC TCCTGGTCAC CAGCCTGGTG GTTGTGCTGC TGTGGGAGGC AGGTGCAGTC	120
71	CCAGCACCCA AGGTCCCTAT CAAGATGCAA GTCAAACACT GGCCCTCAGA GCAGGACCCA	180
72	GAGAAGGCCT GGGGCGCCCG TGTGGTGGAG CCTCCGGAGA AGGACGACCA GCTGGTGGTG	240
73	CTGTTCCCTG TCCA	254
74	3.3.1.3.3.1.3.1.3.1.3.1.3.1.3.1.3.1.3.1	234
75	(2) INFORMATION FOR SEQ ID NO:2:	
76	(2) INFORMATION FOR DEG ID NO. 2.	
77	(i) SEQUENCE CHARACTERISTICS:	
78	(A) LENGTH: 261 base pairs	
79	(B) TYPE: nucleic acid	
80	(C) STRANDEDNESS: single	
81	(D) TOPOLOGY: linear	
82	(2) 101020011 12002	
83		
84	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
85	(/ <u> </u>	
86	AGCCACTGCA GCTCCCTGAG CACTCTCTAC AGAGACGCGG ACCCCAGACA TGAGGAGGCT	60
87	CCTCCTGGTC ACCAGCCTGG TGGTTGTGCT GCTGTGGGAG GCAGGTGCAG TCCCAGCACC	120
88	CAAGGTCCCT ATCAAGATGC AAGTCAAACA CTGGCCCTCA GAGCAGGACC CAGAGAAGGC	180
89	CTGGGGCGCC CGTGTGGTGG AGCCTCCGGA GAAGGACGAC CAGCTGGTGG TGCTGTTCCC	240
90	TGTCCAGAAG CCGAAACTCT T	261
91		
92	(2) INFORMATION FOR SEQ ID NO:3:	
93	()	
94	(i) SEQUENCE CHARACTERISTICS:	
95	(A) LENGTH: 534 base pairs	
96	(B) TYPE: nucleic acid	
97	(C) STRANDEDNESS: single	
98	(D) TOPOLOGY: linear	
99	\-\ -\	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/049,695A

DATE: 02/22/2000 TIME: 18:53:23

	INPUT SET: 55461/.ray	v
100	(ix) FEATURE:	
101	(A) NAME/KEY: base_polymorphism	
102	(B) LOCATION: 458	
103	(D) OTHER INFORMATION: /note= "'N' represents an A or G	or
104	T or C polymorphism at this position"	
105		
106		
107	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:	
108		
109	TCCCGGCCTG CTGGGGTTTA TTTGTCTAGC TGGGGCAGGG TAGGGAGGGT CCCAGTCCCA	60
110	ACAGCCTGGG CCTTGGGACA GGGCGGGGGC AGTGATGGCC CCTGGAGCCC TACTGGGGGT	120
111	GGTAGATGTG GTCTTGGTCT TCCTCCGGTC CCAGGAGCAC CTGGTGATTT GGCATCACCC	180
112	ACAACCGGGG CCTCTCCTCG CCCTGGTCCT CCTCAGGCGG AGGGTGGTAC AGGCTGTCAT	240
113	GGTCGGGCTC GGGACTCAGG ACACGGCCCA GGGTGTCCTC GGTCTCCATC CAGGCCTTGG	300
114	TGCCTGGAAG GATGGGGCCC CTGCCCTGAC CTCGTGGCTT CTCCTCGGTG GTCAAGAGTT	360
115	TCGGCTTCTG GACAGGGAAC AGCACCACCA GCTGGTCGTC CTTCTCCGGA GGCTCCACCA	420
116	CACGGGCGCC CCAGGCTTCT CTGGGTCCTG CTCTGAGNGG CAGTGTTTGA CTTGCATCTT	480
117	GATAGGGAAC TTGGGTGCTG GGAATGCACC TGCCTCCCAC AGAAGAAAAA CAAC	534
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119	(2) INFORMATION FOR SEQ ID NO:4:	
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121	(i) SEQUENCE CHARACTERISTICS:	
122	(A) LENGTH: 615 base pairs	
123	(B) TYPE: nucleic acid	
124	(C) STRANDEDNESS: single	
125	(D) TOPOLOGY: linear	
126		
127		
128	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	
129		
130	AGCCACTGCA GCTCCCTGAG CACTCTCTAC AGAGACGCGG ACCCCAGACA TGAGGAGGCT	60
131	CCTCCTGGTC ACCAGCCTGG TGGTTGTGCT GCTGTGGGAG GCAGGTGCAG TCCCAGCACC	120
132	CAAGGTCCCT ATCAAGATGC AAGTCAAACA CTGGCCCTCA GAGCAGGACC CAGAGAAGGC	180
133	CTGGGGCGCC CGTGTGGTGG AGCCTCCGGA GAAGGACGAC CAGCTGGTGG TGCTGTTCCC	240
134	TGTCCAGAAG CCGAAACTCT TGACCACCGA GGAGAAGCCA CGAGGTCAGG GCAGGGGCCC	300
135	CATCCTTCCA GGCACCAAGG CCTGGATGGA GACCGAGGAC ACCCTGGGCC GTGTCCTGAG	360
136	TCCCGAGCCC GACCATGACA GCCTGTACCA CCCTCCGCCT GAGGAGGACC AGGGCGAGGA	420
137	GAGGCCCCGG TTGTGGGTGA TGCCAAATCA CCAGGTGCTC CTGGGACCGG AGGAAGACCA	480
138	AGACCACATC TACCACCCC AGTAGGGCTC CAGGGGCCAT CACTGCCCCC GCCCTGTCCC	540
139	AAGGCCCAGG CTGTTGGGAC TGGGACCCTC CCTACCCTGC CCCAGCTAGA CAAATAAACC	600
140	CCAGCAGGCC GGGCA	615
141		
142	(2) INFORMATION FOR SEQ ID NO:5:	
143		
144	(i) SEQUENCE CHARACTERISTICS:	
145	(A) LENGTH: 622 base pairs	
146	(B) TYPE: nucleic acid	
147		
	(C) STRANDEDNESS: single	
148	(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
148 149		
148 149 150		
148 149		

205

RAW SEQUENCE LISTING PATENT APPLICATION US/09/049,695A

DATE: 02/22/2000 TIME: 18:53:24

	INPUT SET: S34817.raw	
153	CTGGGATCAG CCACTGCAGC TCCCTGAGCA CTCTCTACAG AGACGCGGAC CCCAGACATG	60
154	AGGAGGCTCC TCCTGGTCAC CAGCCTGGTG GTTGTGCTGC TGTGGGAGGC AGGTGCAGTC	120
155	CCAGCACCCA AGGTCCCTAT CAAGATGCAA GTCAAACACT GGCCCTCAGA GCAGGACCCA GAGAAGGCCT GGGGCGCCCG TGTGGTGGAG CCTCCGGAGA AGGACGACCA GCTGGTGGTG	180
156		240
157	CTGTTCCCTG TCCAGAAGCC GAAACTCTTG ACCACCGAGG AGAAGCCACG AGGTCAGGGC AGGGGCCCCA TCCTTCCAGG CACCAAGGCC TGGATGGAGA CCGAGGACAC CCTGGGCCGT	300 360
158 159	GTCCTGAGTC CCGAGCCCGA CCATGACAGC CTGTACCACC CTCCGCCTGA GGAGGACCAG	420
160	GCCGAGGAGA GGCCCCGGTT GTGGGTGATG CCAAATCACC AGGTGCTCCT GGGACCGGAG	480
161	GAAGACCAAG ACCACATCTA CCACCCCCAG TAGGGCTCCA GGGGCCCATCA CTGCCCCCGC	540
162	CCTGTCCCAA GGCCCAGGCT GTTGGGACTG GGACCCTCCC TACCCTGCCC CAGCTAGACA	600
163	AATAAACCCC AGCAGGCCGG GA	622
164	ANTARACCCC AGCAGGCCGG GA	022
165	(2) INFORMATION FOR SEQ ID NO:6:	
166	(2) Intominitor for sug 15 horor	
167	(i) SEQUENCE CHARACTERISTICS:	
168	(A) LENGTH: 68 base pairs	
169	(B) TYPE: nucleic acid	
170	(C) STRANDEDNESS: single	
171	(D) TOPOLOGY: linear	
172		
173		
174	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
175		
176	AGCTCGGAAT TCCGAGCTTG GATCCTCTAG AGCGGCCGCC GACTAGTGAG CTCGTCGACC	60
177	CGGGAATT	68
178		
179	(2) INFORMATION FOR SEQ ID NO:7:	
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181	(i) SEQUENCE CHARACTERISTICS:	
182	(A) LENGTH: 68 base pairs	
183 184	(B) TYPE: nucleic acid	
185	(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
186	(D) TOPOLOGI: IIMedi	
187		
188	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
189	(,	
190	AATTAATTCC CGGGTCGACG AGCTCACTAG TCGGCGGCCG CTCTAGAGGA TCCAAGCTCG	60
191	GAATTCCG	68
192		
193	(2) INFORMATION FOR SEQ ID NO:8:	
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196	(A) LENGTH: 24 base pairs	
197	(B) TYPE: nucleic acid	
198	(C) STRANDEDNESS: single	
199	(D) TOPOLOGY: linear	
200		
201	(wi) GEOMENGE DECORIDATION, GEO. ID NO. 9.	
202 203	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
203 204	ACCCCAMAAC AAMMMCACAC ACCA	24
204	AGCGGATAAC AATTTCACAC AGGA	4

RAW SEQUENCE LISTING PATENT APPLICATION US/09/049,695A

DATE: 02/22/2000 TIME: 18:53:24

206	(2) INFORMATION FOR SEQ ID NO:9:	
207		
208	(i) SEQUENCE CHARACTERISTICS:	
209	(A) LENGTH: 18 base pairs	
210	(B) TYPE: nucleic acid	
211	(C) STRANDEDNESS: single	
212	(D) TOPOLOGY: linear	
213	(0, 000 000 000 000 000 000 000 000 000	
214		
215	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
216	(MI) BEGENEE BEBENET FIGURE BEG ID NO. 3.	
217	TGTAAAACGA CGGCCAGT	18
218	TOTALARCOA COCCACT	10
219	/2) INFORMATION FOR CEO ID NO. 10.	
220	(2) INFORMATION FOR SEQ ID NO:10:	
221	(i) GEOLENGE GUADAGEDIGETGG	
221	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 20 base pairs	
223	(B) TYPE: nucleic acid	
224	(C) STRANDEDNESS: single	
225	(D) TOPOLOGY: linear	
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227		
228	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
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230	CTGTCCAGAA GCCGAAACTC	20
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232	(2) INFORMATION FOR SEQ ID NO:11:	
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234	(i) SEQUENCE CHARACTERISTICS:	
235	(A) LENGTH: 20 base pairs	
236	(B) TYPE: nucleic acid	
237	(C) STRANDEDNESS: single	
238	(D) TOPOLOGY: linear	
239		
240		
241	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
242		
243	AGGAAGACCA AGACCACATC	20
244		
245	(2) INFORMATION FOR SEQ ID NO:12:	
246		
247	(i) SEQUENCE CHARACTERISTICS:	
248	(A) LENGTH: 22 base pairs	
249	(B) TYPE: nucleic acid	
250	(C) STRANDEDNESS: single	
251	(D) TOPOLOGY: linear	
252	• •	
253		
254	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
255	· ,	
256	GGTAGATGTG GTCTTGGTCT TC	22
257		2.2
258	(2) INFORMATION FOR SEQ ID NO:13:	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/049,695A

DATE: 02/22/2000 TIME: 18:53:25

INPUT SET: S34817.raw

***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

433	(2) INFORMATION FOR SEQ ID NO:23:
434	
435	(i) SEQUENCE CHARACTERISTICS:
436	(A) LENGTH: 249 base pairs
437	(B) TYPE: nucleic acid
438	(C) STRANDEDNESS: single
439	(D) TOPOLOGY: linear
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441	
442	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:
443	
444	GGATCAGCCA CTGCAGCTCC CTGAGCACTC TCTACAGAGA CGCGGACCCC AGACATGAGG 60
445	AGGCTCCTCC TGGTCACCAG CCTGGTGGTT GTGCTGCTGT GGGAGGCAGG TGCAGTCCCA 120
446	GCACCCAAGG TCCCTATCAA GATGCAAGTC AAACACTGGC CCTCAGAGCA GGACCCAGAG 180
447	AAGGCCTGGG GCGCCCGTGT GGTGGAGCCT CCGGAGAAGG ACGACCAGCT GGTGGTGCTG 240
448	TTCCCTGTC 249
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451	(2) INFORMATION FOR SEQ ID NO:24:
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453	(i) SEQUENCE CHARACTERISTICS:
454	(A) LENGTH: 336 base pairs
455	(B) TYPE: nucleic acid
456	(C) STRANDEDNESS: single
457	(D) TOPOLOGY: linear
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459	
460	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:
461	
462	GGCAGGTGCA GTCCCAGCAC CCAAGGTCCC TATCAAGATG CAAGTCAAAC ACTGGCCCTC 60
463	AGAGCAGGAC CCAGAGAAGG CCTGGGGCGC CCGTGTGGTG GAGCCTCCGG AGAAGGACGA 120
464	CCAGCTGGTG GTGCTGTTCC CTGTCCAGAA GCCGAAACTC TTGACCACCG AGGAGAAGCC 180
465	ACGAGGTCAG GGCAGGGGCC CCATCCTTCC AGGCACCAAG GCCTGGATGG AGACCGAGGA 240
466 467	CACCCTGGGC CGTGTCCTGA GTCCCGAGCC CGACCATGAC AGCCTGTACC ACCCTCCGCC 300 TGAGGAGGAC CAGGGCGAGG AGAGGCCCCG GTTGTG 336
467 468	TGAGGAGGAC CAGGGCGAGG AGAGGCCCCG GTTGTG 336
469	
409	
470	(2) INFORMATION FOR SEQ ID NO:25:
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472	(i) SEQUENCE CHARACTERISTICS:
473	(A) LENGTH: 300 base pairs
474	(B) TYPE: nucleic acid
475	(C) STRANDEDNESS: single
476	(D) TOPOLOGY: linear
477	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/049,695A

DATE: 02/22/2000 TIME: 18:53:25

(A) NAME/KEY: base polymorphism (B) LOCATION: 8 481	478	(ix)	FEATURE:
### (B) LOCATION: 8 ### (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (A) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism at this position" ### (A) NAME/KEY: base_polymorphism at this position" ### (A) NAME/KEY: base_polymorphism ### (B) LOCATION: 212 ### (B) LOCATION: 212 ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (B) LOCATION: 255 ### (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" ### (A) NAME/KEY: base_polymorphism ### (B) LOCATION: 230 ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism ### (A) NAME/KEY: base_polymorphism at this position" ### (A) N		` '	
481			
### ### ### ### ### ### ### ### ### ##			
484 484 484 485 486 486 487 487 487 488 488 488 488 489 489 489 490 490 491 491 491 492 493 494 493 494 495 496 497 498 498 499 498 499 499 499 499 499 490 499 490 610 410 410 410 410 410 410 410 410 410 4			
484 (ix) FEATURE: 485 (A) NAME/KEY: base_polymorphism 486 (B) LOCATION: 102 487 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 488 490 (ix) FEATURE: 491 (A) NAME/KEY: base_polymorphism 492 (B) LOCATION: 194 493 (D) OTHER INFORMATION: /note= "'N' represents an A or G or 494 494 T or C polymorphism at this position" 495 496 (ix) FEATURE: 497 (A) NAME/KEY: base_polymorphism 498 (B) LOCATION: 212 499 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 500 T or C polymorphism at this position" 501 502 (A) NAME/KEY: base_polymorphism 503 (A) NAME/KEY: base_polymorphism 504 (B) LOCATION: 225 505 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 507 508 (Ix) FEATURE: 609 (A) NAME/KEY: base_polymorphism at this position" 509 (A) NAME/KEY: base_polymorphism at this position" 500 (B) LOCATION: 230 501 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 507 508 (IX) FEATURE: 609 (A) NAME/KEY: base_polymorphism 610 (B) LOCATION: 230 611 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 512 (A) NAME/KEY: base_polymorphism at this position" 513 514 (IX) FEATURE: 615 (A) NAME/KEY: base_polymorphism 616 (B) LOCATION: 259 617 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 618 (IX) FEATURE: 619 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 620 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 630 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 640 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 651 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 652 (A) AGGAGGGCC CAGGGGCCCAT AGGAGGCGGGGGCGCCAT GAGGACCAGGGGGG GA			FJF F
485 (A) NAME/KEY: base polymorphism 486 (B) LOCATION: 102 487 T or C polymorphism at this position" 488 T or C polymorphism at this position" 489 490 (ix) FEATURE: 491 (A) NAME/KEY: base polymorphism 492 (B) LOCATION: 194 493 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 495 496 (ix) FEATURE: 497 (A) NAME/KEY: base polymorphism 498 (B) LOCATION: 212 499 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 501 502 (A) NAME/KEY: base polymorphism at this position" 503 (A) NAME/KEY: base polymorphism at this position" 504 (B) LOCATION: 225 505 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 506 (Ix) FEATURE: 507 (A) NAME/KEY: base polymorphism 508 (B) LOCATION: 225 509 (A) NAME/KEY: base polymorphism 510 (B) LOCATION: 230 511 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 514 (B) LOCATION: 230 515 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 516 (B) LOCATION: 259 517 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 518 T or C polymorphism at this position" 519 (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" 510 (B) LOCATION: 259 511 (X) SEQUENCE DESCRIPTION: SEQ ID NO:25: 522 GCCCATNCT TCCAGGGACC AAGGCCTGTA ACGACCAGG GGACACCCTG GGCCGTGTCC 60 524 TGAGTCCCAG GCCCGACTAG GACAGCCTG ACCACCACGAGGAAG CACAGGGCG 120 525 AGGAGAGCA CATMAGCAA CCCCAGTGAG GNTTCAGGGG CCCTTNAGTON CCCCGGCCTG 240		(ix)	FEATURE:
B LOCATION: 102		(+ 11)	
### (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" #### (IX) FEATURE: ### (B) LOCATION: 194 ### (B) LOCATION: 194 ### (B) LOCATION: 194 ### (B) LOCATION: 194 ### (B) LOCATION: /note= "'N' represents an A or G or T or C polymorphism at this position" #### (A) NAME/KEY: base_polymorphism ### (B) LOCATION: 212 ### (A) NAME/KEY: base_polymorphism ### (B) LOCATION: 255 ### (B) LOCATION: /note= "'N' represents an A or G or T or C polymorphism at this position" ### (B) LOCATION: 230 ### (B) LOCATION: 255 ### (A) NAME/KEY: base_polymorphism ### (B) LOCATION: 259 ### (A) NAME/KEY: base_polymorphism at this position" ### (IX) FEATURE: ### (A) NAME/KEY: base_polymorphism ### (B) LOCATION: 259 ### (D) OTHER INFORMATION: /note= "'N' represents an A or G or T or C polymorphism at this position" ### (IX) FEATURE: ###			
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491 (A) NAME/KEY: base_polymorphism 492 (B) LOCATION: 194 493 (D) OTHER INFORMATION: /note= "'N' represents an A or G or 494 T or C polymorphism at this position" 495 496 (ix) FEATURE: 497 (A) NAME/KEY: base_polymorphism 498 (B) LOCATION: 212 499 (D) OTHER INFORMATION: /note= "'N' represents an A or G or 500 T or C polymorphism at this position" 501 502 (ix) FEATURE: 503 (A) NAME/KEY: base_polymorphism 504 (B) LOCATION: 225 505 (D) OTHER INFORMATION: /note= "'N' represents an A or G or 506 T or C polymorphism at this position" 507 508 (ix) FEATURE: 509 (A) NAME/KEY: base_polymorphism 500 (B) LOCATION: 230 511 (D) OTHER INFORMATION: /note= "'N' represents an A or G or 512 T or C polymorphism at this position" 513 514 (ix) FEATURE: 6(A) NAME/KEY: base_polymorphism 516 (B) LOCATION: 259 517 (D) OTHER INFORMATION: /note= "'N' represents an A or G or 518 (X) FEATURE: 6(A) NAME/KEY: base_polymorphism 516 (B) LOCATION: 259 517 (D) OTHER INFORMATION: /note= "'N' represents an A or G or 518 T or C polymorphism at this position" 519 520 521 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:25: 522 523 GCCCCATNCT TCCAGGCACC AAGGCCTGGA TGGAGACCCTG GGCCGTGTCC 60 524 TGAGTCCCGA GCCCCACCAT GACAGCCTGT ACCACCCTCC GNCTGAGGAG GACCAGGGCG 120 525 AGGAGGCC CCGGTTGTGG GTGATGCCAA ATCACCAGGTG GCCCTCTGGGAGGAGA 610 610 611 612 613 614 615 615 616 617 617 617 618 618 618 618 618 618 618 618 618 618		(i v)	ECAMIDE.
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